

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04B7/08 H04B7/06 H04L1/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 09381 A (UNIV LELAND STANFORD JUNIOR) 5 March 1998 (1998-03-05)	1-16, 31-34, 37-39 29,30
Y	abstract; claims 1-3,12; figures 6A,6B,7 page 3, line 28 -page 7, last line page 19, line 6 - line 28 ---	29,30
Y	BAUM K L ET AL: "A comparison of differential and coherent reception for a coded OFDM system in a low C/I environment" GLOBAL TELECOMMUNICATIONS CONFERENCE, 1997. GLOBECOM '97., IEEE PHOENIX, AZ, USA 3-8 NOV. 1997, NEW YORK, NY, USA, IEEE, US, 3 November 1997 (1997-11-03), pages 300-304, XP010254599 ISBN: 0-7803-4198-8 the whole document --- -/--	29,30

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

11 October 2002

Date of mailing of the international search report

18/10/2002

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 131 016 A (SOLLENBERGER NELSON RAY ET AL) 10 October 2000 (2000-10-10) abstract; figure 2A column 1, line 41 -column 2, line 11; claim 1 ---	29,30
A	US 5 973 642 A (SOLLENBERGER NELSON RAY ET AL) 26 October 1999 (1999-10-26) column 1, line 7 -column 4, line 9 ---	17-30, 35,36
A	US 5 844 922 A (WOLF JACK KEIL ET AL) 1 December 1998 (1998-12-01) abstract column 1, line 15 -column 3, line 11 ---	5
A	JOENGREN G ET AL: "UTILIZING QUANTIZED FEEDBACK INFORMATION IN ORTHOGONAL SPACE-TIME BLOCK CODING" GLOBECOM'00. 2000 IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE. SAN FRANCISCO, CA, NOV. 27 - DEC. 1, 2000, IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE, NEW YORK, NY: IEEE, US, vol. 2 OF 4, 27 November 2000 (2000-11-27), pages 995-999, XP001017234 ISBN: 0-7803-6452-X abstract; figure 1 page 996, left-hand column, paragraph 1 -page 997, left-hand column, paragraph 1 ---	1-44
P,X	WO 01 71928 A (QUALCOMM INC) 27 September 2001 (2001-09-27) abstract; claims 20-22,40; figures 18,3 page 14, line 14 - line 28 page 18, line 26 - line 33 page 3, line 16 -page 5, line 33 -----	1-13,29, 30,39

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/US 02/08733

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9809381	A	05-03-1998	AU 4238697 A CA 2302289 A1 EP 0920738 A1 EP 0931388 A2 JP 2001505723 T WO 9809385 A2 WO 9809381 A1 WO 9809395 A1 US 6377631 B1 US 6452981 B1 US 6144711 A	19-03-1998 05-03-1998 09-06-1999 28-07-1999 24-04-2001 05-03-1998 05-03-1998 05-03-1998 23-04-2002 17-09-2002 07-11-2000
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US 5844922	A	01-12-1998	US 6016568 A	18-01-2000
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